

IN THE CLAIMS:

Please amend the claims as follows:

1. *(currently amended)* A method ~~for providing a supplementary call service in a public telecommunication network~~, comprising the steps of:

[[a]] monitoring on a signaling path between end terminals ~~(5, 12)~~ via a telecommunication network a negotiation signaling for a multimedia call of respective call parties, said monitoring [[step]] being executed in an interworking function portion of one of said end terminals;

[[b]] storing connection information detected in said monitoring [[step]], said connection information defining at least one of a protocol used in the multimedia call between said call parties and a transcoding parameter used in the multimedia call;

[[c]] using said detected connection information to generate a signaling towards at least one of said end terminals ~~(5, 12)~~ to establish [[said]] a supplementary call service, when said supplementary call service is invoked by one of said call parties, wherein said supplementary call service is a call hold supplementary service; ~~or a call transfer supplementary service and~~ stopping resynchronization attempts towards one of said call parties and stopping a related timer in order to prevent a call failure.

2. *(original)* A method according to claim 1, wherein said supplementary call service is applied to a data call.

3. *(previously presented)* A method according to claim 2, wherein said data call is a video call.

4. *(canceled)*
5. *(canceled)*
6. *(previously presented)* A method according to claim 1, wherein said signaling for establishing said call hold supplementary service comprises sending empty or fill frames or supervisory data link layer frames according to said connection information to one of said call parties in order to keep a connection protocol alive.
7. *(canceled)*
8. *(previously presented)* A method according to claim 1, wherein said signaling for establishing said call hold supplementary service comprises sending video information or audio information to one of said call parties.
9. *(original)* A method according to claim 8, wherein said video information comprises a still or moving video information.
10. *(currently amended)* A method according to claim 1, wherein said negotiation signaling is monitored by a mobile terminal *[(11)]* connected to one *[(12)]* of said end terminals.
11. *(canceled)*
12. *(canceled)*

13. *(previously presented)* A method according to claim 1, wherein said transcoding parameter defines a type of audio and/or video codec.
14. *(previously presented)* A method according to claim 1, wherein said signaling for establishing said call transfer supplementary service comprises a fallback signaling for converting a connection to one of said call parties into a speech mode.
15. *(original)* A method according to claim 14, wherein said fallback signaling is performed towards both call parties, if said connection information indicates that two data calls cannot be adapted.
16. *(previously presented)* A method according to claim 1, wherein said signaling for establishing said call transfer supplementary service comprises transmitting a codec parameter derived from said connection information to a network element having a transcoding capability, in order to provide a required transcoding function at said network element.
17. *(original)* A method according to claim 16, wherein said codec parameter is transmitted to said network element, if a fallback signaling to one of said call parties has failed.
18. *(previously presented)* A method according to claim 1, further comprising indicating changes of call characteristics to an upper layer entity, recognizing an application level compatibility of transferred calls, and performing interworking in said upper layer entity.

19. *(original)* A method according to claim 1, wherein said signaling for establishing said supplementary service is performed by an interworking function provided in said telecommunication network.

20. *(original)* A method according to claim 1, wherein said telecommunication network is a mobile network.

21. *(original)* A method according to claim 1, wherein said connection information is at least partly received through an outband signaling.

22. *(currently amended)* An apparatus ~~for providing a supplementary call service in a public telecommunication network~~, comprising:

a) a monitoring unit ~~means (34)~~ for monitoring on a signaling path between end terminals ~~(5, 12)~~ via a telecommunication network a negotiation signaling of respective call parties, said monitoring unit ~~means~~ being comprised in an interworking function portion of one of said end terminals;

b) ~~storing means (35)~~ a memory for storing connection information detected by said monitoring ~~means (34)~~ unit, said connection information defining at least one of a protocol used in a multimedia call between said call parties and a transcoding parameter used in the multimedia call; and

c) ~~signaling means (32, 33)~~ a signal processing and controller unit for generating a signaling towards at least one of said end terminals to establish said supplementary call service in response to said stored connection information, when said supplementary call service is invoked by one of said call parties, wherein said supplementary call service is a call hold supplementary service; and ~~or a call transfer supplementary service.~~

to stop resynchronization attempts towards one of said call parties and to stop a related

timer, in order to prevent a call failure.

23. *(currently amended)* An apparatus according to claim 22, wherein said ~~signaling means (32, 33)~~ signal processing and control unit is adapted configured to send empty or fill frames or supervisory data link layer frames according to said connection information to one of said call parties, in order to keep a connection protocol alive.

24. *(canceled)*

25. *(currently amended)* An apparatus according to claim 22, wherein said ~~signaling means (32, 33)~~ signal processing and control unit is adapted configured to send video information and/or audio information to one of said call parties.

26. *(currently amended)* An apparatus according to claim 22, wherein said ~~signaling means (32, 33)~~ signal processing and control unit is adapted configured to generate a fallback signaling for converting a connection to one of said call parties into a speech mode.

27. *(currently amended)* An apparatus according to claim 26, wherein said ~~signaling means (32, 33)~~ signal processing and control unit is adapted configured to transmit a coded parameter to a network element ~~[(30)]~~ having a transcoding capability, in order to provide a required transcoding function at said network element ~~[(30)]~~.

28. *(currently amended)* An apparatus according to claim 22, wherein said ~~signaling means (32, 33)~~ signal processing and control unit is adapted configured to indicate changes of a call characteristic to an upper layer entity.

29. *(currently amended)* An apparatus according to claim 23, wherein said apparatus is a mobile terminal ~~[[(11)]]~~ connected to one ~~[[(12)]]~~ of said end terminals.

30. *(canceled)*

31. *(currently amended)* A method ~~for providing a supplementary call service in a public telecommunication network~~, comprising the steps of:

~~[[a)]]~~ monitoring on a signaling path between end terminals ~~(5, 12)~~ via a telecommunication network a negotiation signaling for a multimedia call of respective call parties, said monitoring ~~[[step]]~~ being executed in an interworking function portion of a mobile switching center of the telecommunication network;

~~[[b)]]~~ storing connection information detected in said monitoring ~~[[step]]~~, said connection information defining at least one of a protocol used in the multimedia call between said call parties and a transcoding parameter used in the multimedia call;

~~[[c)]]~~ using said detected connection information to generate a signaling towards at least one of said end terminals ~~(5, 12)~~ to establish said supplementary call service, when said supplementary call service is invoked by one of said call parties, wherein said supplementary call service is a call hold supplementary service; and ~~or a call transfer supplementary service~~

stopping resynchronization attempts towards one of said call parties and stopping a related timer in order to prevent a call failure.

32. *(currently amended)* An apparatus ~~for providing a supplementary call service in a public telecommunication network~~, comprising:

a) a monitoring unit ~~means (34)~~ for monitoring on a signaling path between end terminals ~~(5, 12)~~ in a telecommunications network a negotiation signaling of respective call parties, said monitoring unit ~~means~~ being comprised in an interworking function

portion of a mobile switching center of the telecommunication network;

b) ~~storing means (35)~~ a memory for storing connection information detected by said monitoring ~~unit means (34)~~, said connection information defining at least one of a protocol used in the multimedia call between said call parties and a transcoding parameter used in ~~the~~ a multimedia call; and

e) ~~signaling means (32, 33)~~ a signal processing and controller unit for generating a signaling towards at least one of said end terminals ~~(5, 12)~~ to establish said supplementary call service in response to said stored connection information, when said supplementary call service is invoked by one of said call parties, wherein said supplementary call service is a call hold supplementary service; and ~~or a call transfer supplementary service.~~

to stop resynchronization attempts towards one of said call parties and to stop a related timer, in order to prevent a call failure.

33. (new) An apparatus comprising:

monitoring means for monitoring on a signaling path between end terminals via a telecommunication network a negotiation signaling of respective call parties, said monitoring means being comprised in an interworking function portion of one of said end terminals;

storing means for storing connection information detected by said monitoring means, said connection information defining at least one of a protocol used in a multimedia call between said call parties and a transcoding parameter used in the multimedia call;

signaling means for generating a signaling towards at least one of said end terminals to establish said supplementary call service in response to said stored connection information, when said supplementary call service is invoked by one of said call parties, wherein said supplementary call service is a call hold supplementary service; and
means for stopping resynchronization attempts towards one of said call parties and to

stop a related timer, in order to prevent a call failure.

34. (new) An apparatus comprising:

monitoring means for monitoring on a signaling path between end terminals via a telecommunication network a negotiation signaling of respective call parties, said monitoring means being comprised in an interworking function portion of a mobile switching center of the telecommunication network;

storing means for storing connection information detected by said monitoring means, said connection information defining at least one of a protocol used in a multimedia call between said call parties and a transcoding parameter used in the multimedia call; and signaling means for generating a signaling towards at least one of said end terminals to establish said supplementary call service in response to said stored connection information, when said supplementary call service is invoked by one of said call parties, wherein said supplementary call service is a call hold supplementary service; and means for stopping resynchronization attempts towards one of said call parties and to stop a related timer, in order to prevent a call failure.